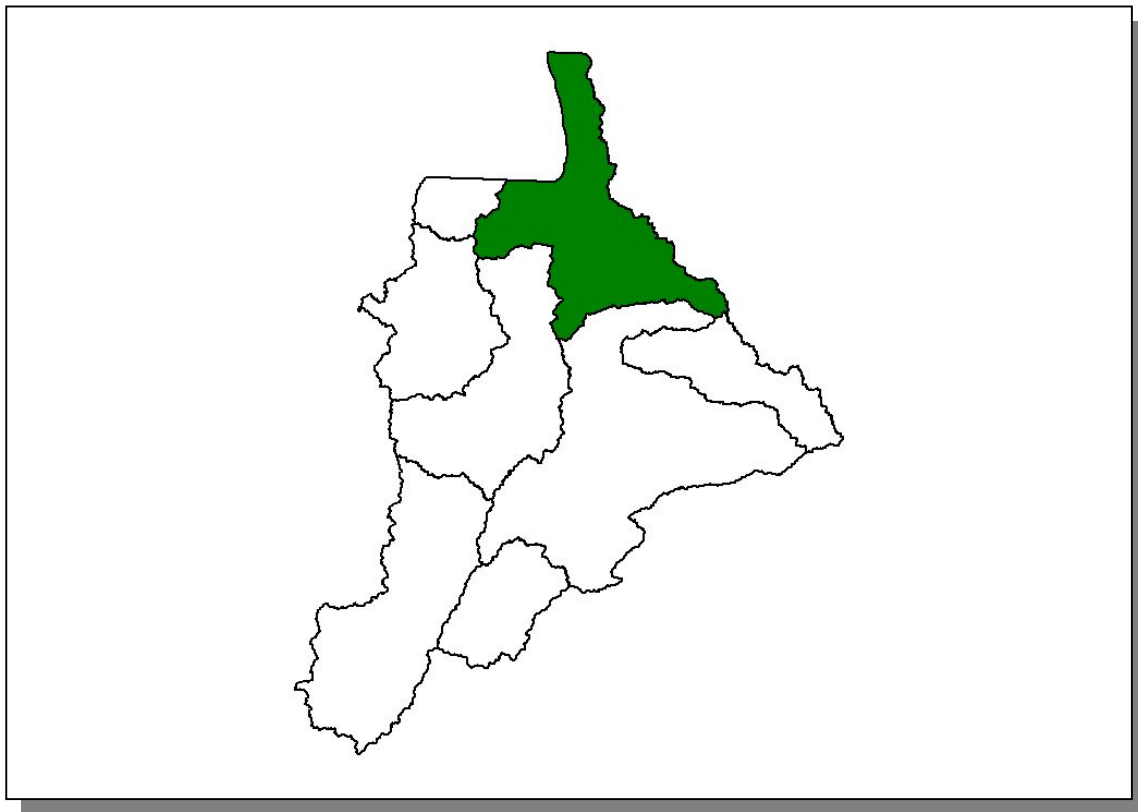


**4.2.D. 0604000504 (Tennessee River).**



**Figure 4-29. Location of Subwatershed 0604000504.** All Tennessee Western Valley (KY Lake) HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.D.i. General Description.

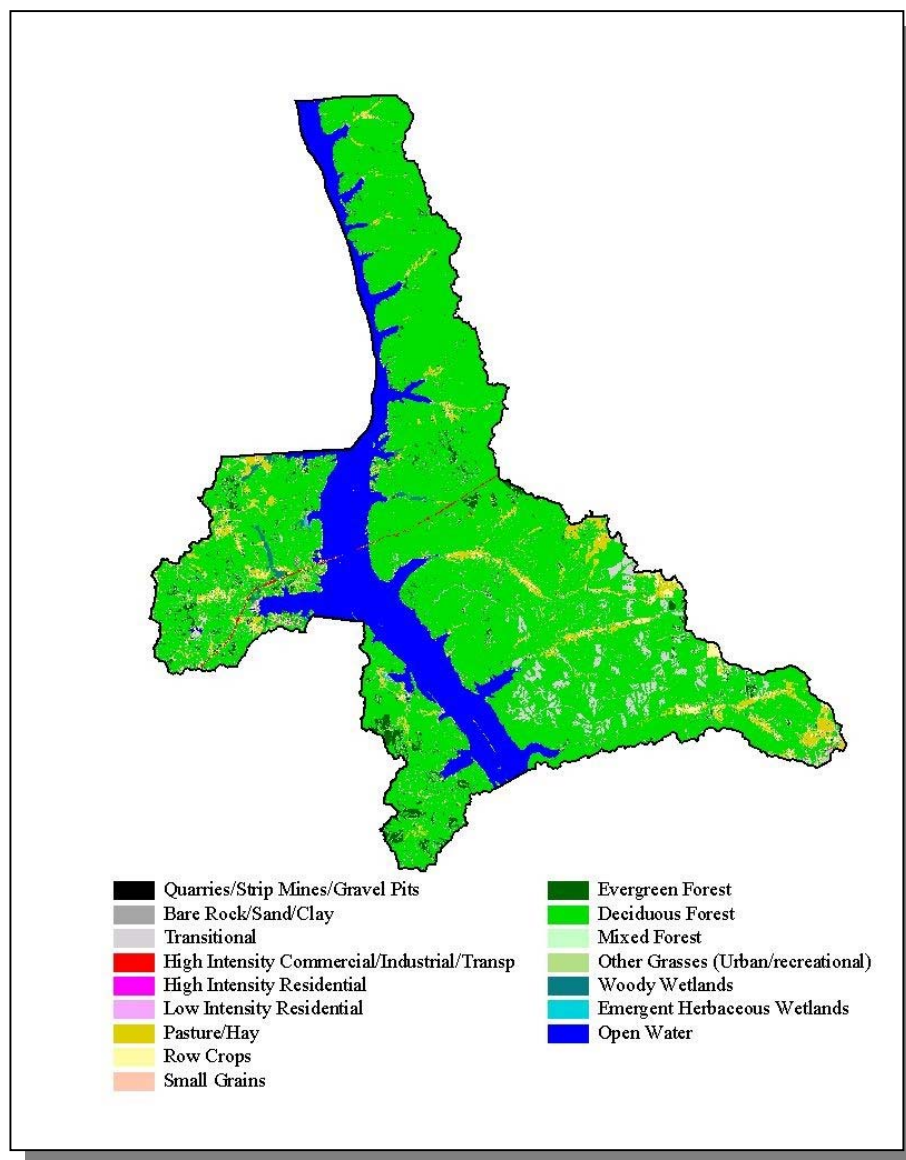
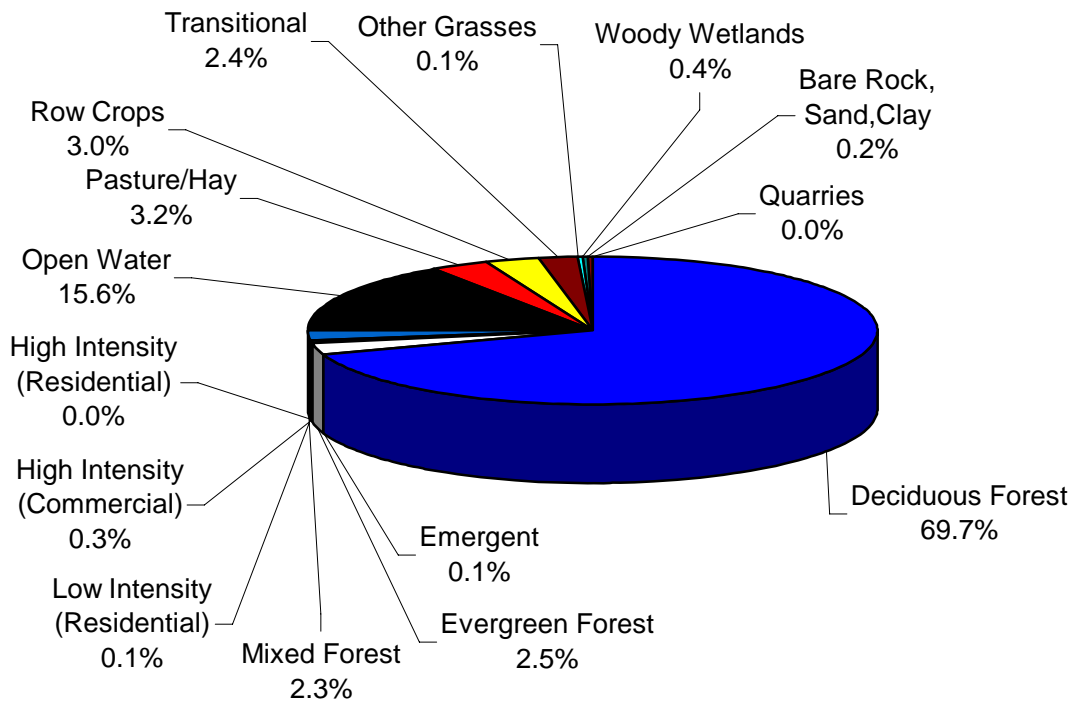
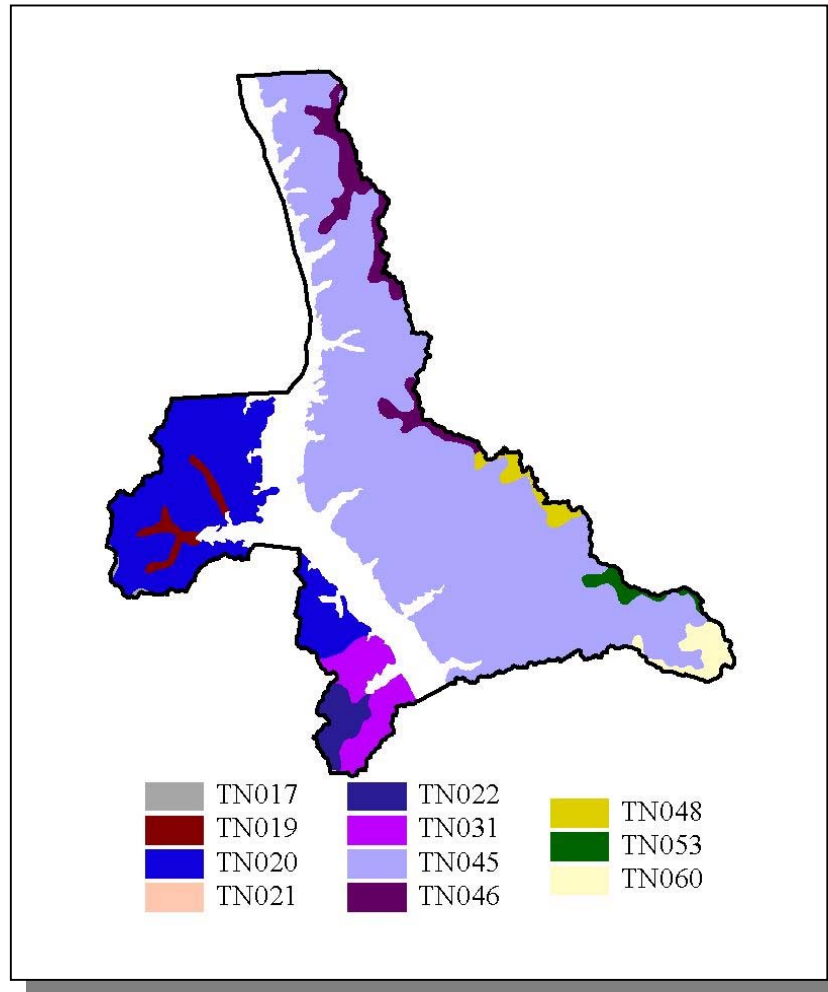


Figure 4-30. Illustration of Land Use Distribution in Subwatershed 0604000504.



**Figure 4-31. Land Use Distribution in Subwatershed 0604000504.** More information is provided in Appendix IV.



**Figure 4-32. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000504.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN017	0.00	B	1.81	5.26	Silty Loam	0.45
TN019	186.0	C	1.54	4.76	Loam	0.26
TN020	0.00	C	1.57	5.11	Silty Loam	0.40
TN021	15.00	C	1.30	5.00	Silty Loam	0.43
TN022	20.00	C	1.98	5.07	Loam	0.37
TN031	0.00	C	3.27	4.88	Loam	0.33
TN045	0.00	B	1.95	5.45	Loam	0.35
TN046	0.00	B	1.98	5.09	Silty Loam	0.38
TN048	16.00	C	1.38	5.06	Silty Loam	0.42
TN053	0.00	B	1.29	5.45	Loam	0.33
TN060	20.00	B	1.30	5.32	Silty Loam	0.39

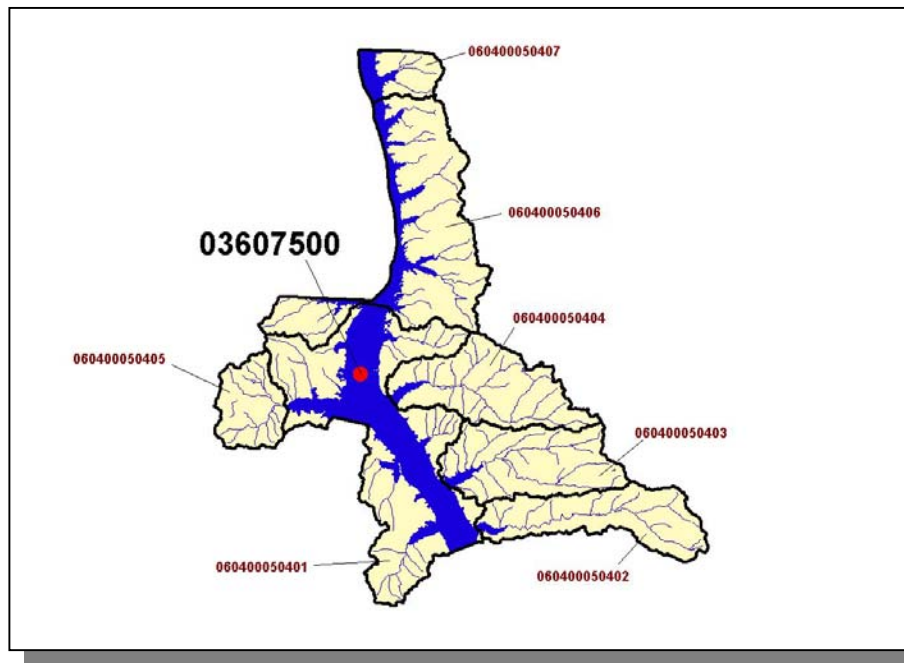
**Table 4-19. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000504.** More information is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-1997)
	1990	1997	2000		1990	1997	2000	
Benton	14,524	16,243	16,537	4.39	638	714	727	13.9
Henry	27,888	29,830	31,115	9.40	2,622	2,804	2,925	11.6
Houston	7,018	7,769	8,088	6.05	424	470	489	15.3
Stewart	9,479	11,241	12,370	28.18	2,671	3,168	3,486	30.5
<b>Totals</b>	<b>58,909</b>	<b>65,083</b>	<b>68,110</b>		<b>6,355</b>	<b>7,156</b>	<b>7,627</b>	<b>20.0</b>

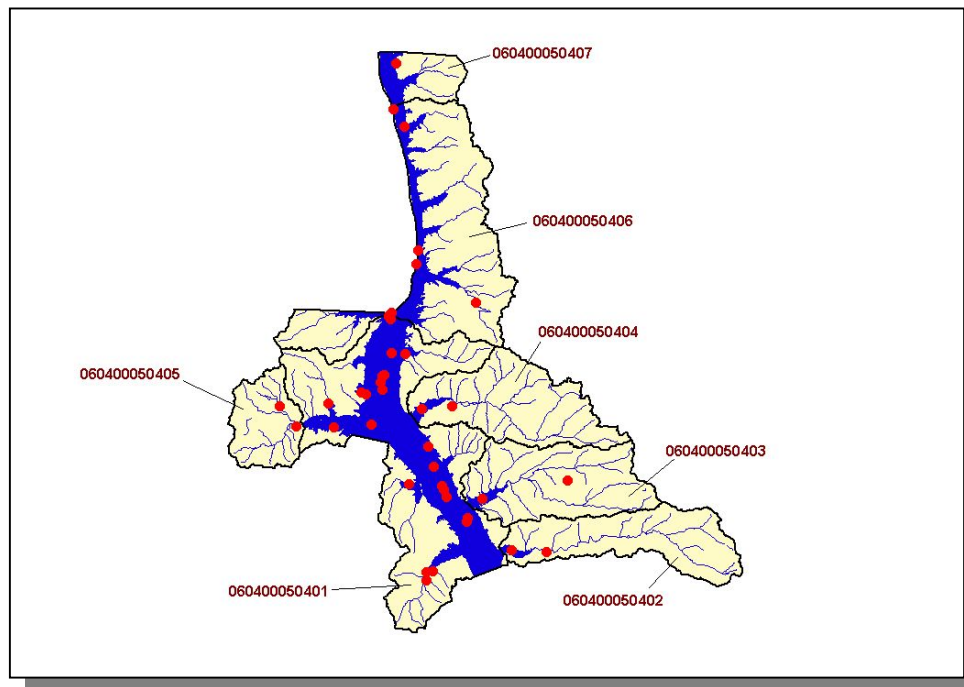
*Table 4-20. Population Estimates in Subwatershed 0604000504.*

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Tennessee Ridge	Houston	1,271	499	117	377	5

*Table 4-21. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0604000504.*

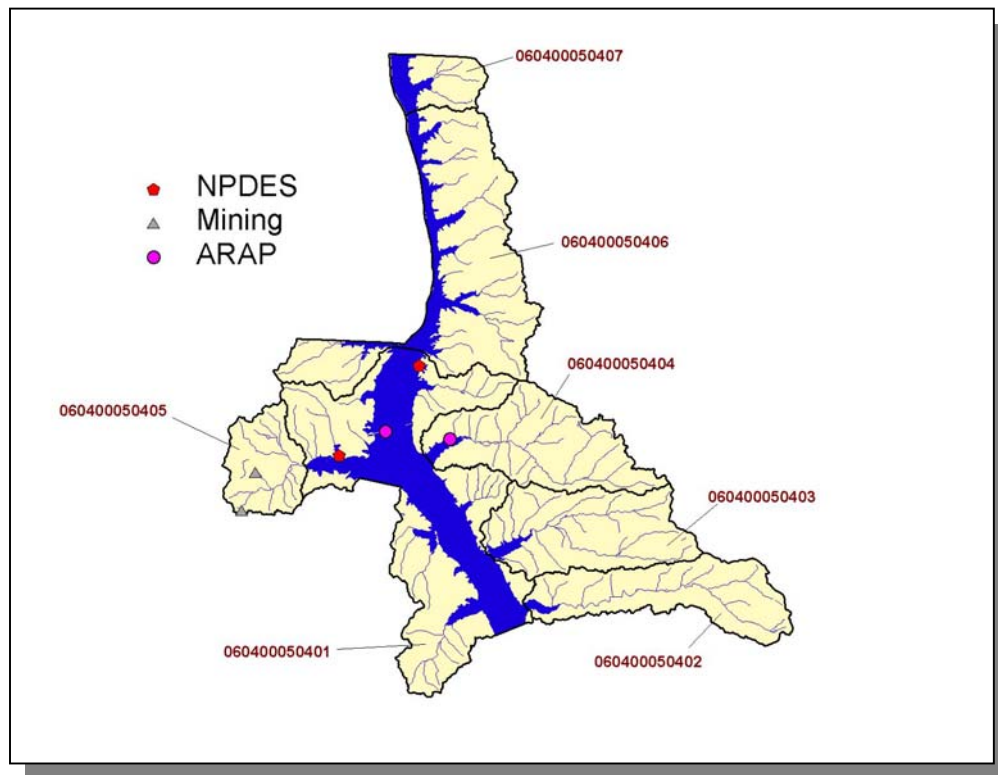


**Figure 4-33. Location of Historical Streamflow Data Collection Sites in Subwatershed 0604000504.** Subwatershed 060400050401, 060400050402, 060400050403, 060400050404, 060400050405, 060400050406 and 060400050407 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.

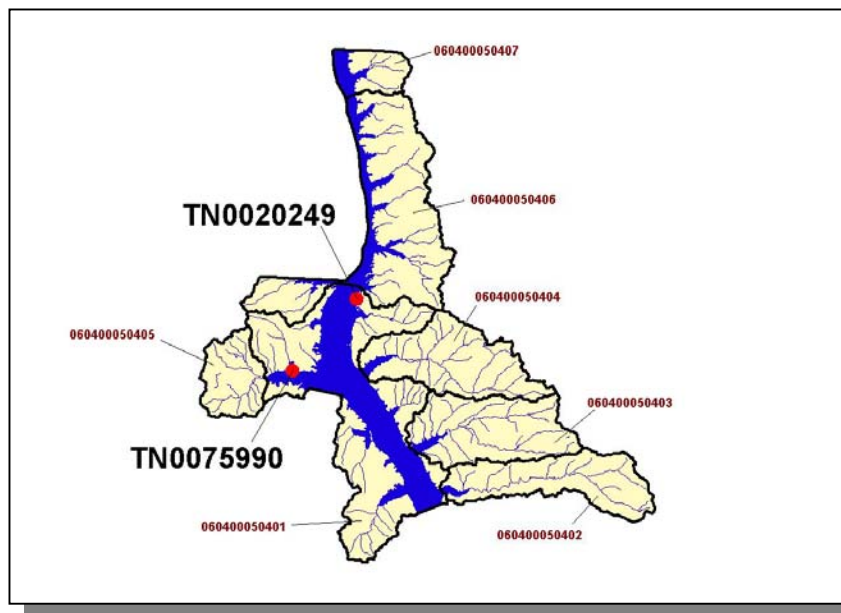


**Figure 4-34. Location of STORET Monitoring Sites in Subwatershed 0604000504.** Subwatershed 060400050401, 060400050402, 060400050403, 060400050404, 060400050405, 060400050406 and 060400050407 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.

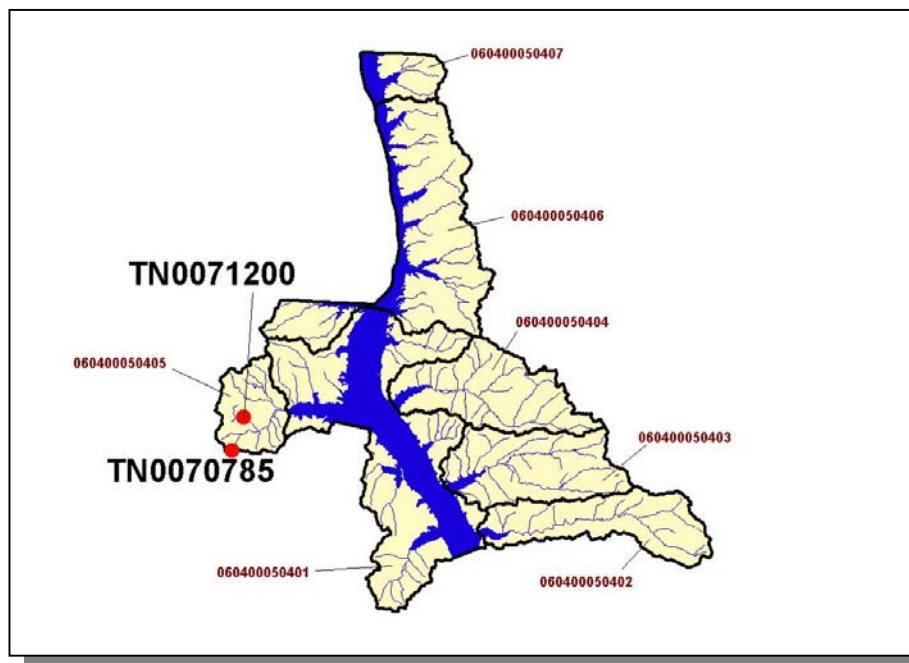
4.2.D.ii. Point Source Contributions.



**Figure 4-35. Location of Active Point Source Facilities in Subwatershed 0604000504.** Subwatershed 060400050401, 060400050402, 060400050403, 060400050404, 060400050405, 060400050406, and 060400050407 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

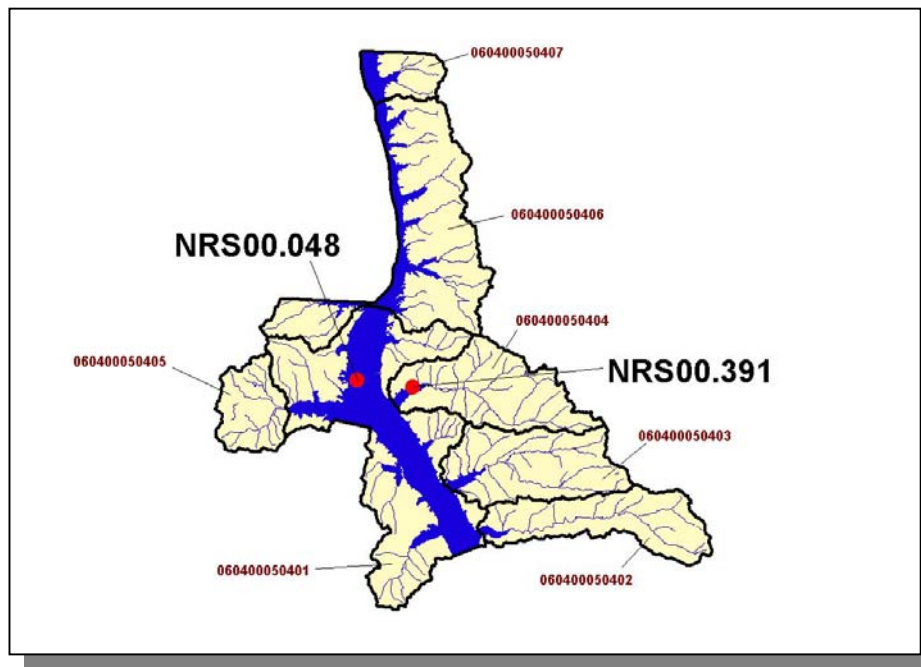


**Figure 4-36. Location of NPDES Facilities in Subwatershed 0604000504.** Subwatershed 060400050401, 060400050402, 060400050403, 060400050404, 060400050405, 060400050406, and 060400050407 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-37. Location of Active Mining Facilities in Subwatershed 0604000504.** Subwatershed 060400050401, 060400050402, 060400050403, 060400050404, 060400050405, 060400050406, and 060400050407 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.





**Figure 4-38. Location of ARAP Sites (Individual Permits) in Subwatershed 060400050404.** Subwatershed 060400050401, 060400050402, 060400050403, 060400050404, 060400050405, 060400050406, and 060400050407 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

**4.2.D.iii.** Nonpoint Source Contributions.

<b>LIVESTOCK (COUNTS)</b>						
Beef Cow	Milk Cow	Cattle	Chickens (Layers)	Chickens (Broilers Sold)	Hogs	Sheep
167	25	2,261	<5	<5	632	5

**Table 4-22. Summary of Livestock Count Estimates in Subwatershed 0604000504.**  
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	<b>INVENTORY</b>		<b>REMOVAL RATE</b>	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Benton	172.7	172.7	2.1	6.9
Henry	176.1	176.1	1.9	7.1
Houston	94.2	94.2	0	0
Stewart	219.7	219.7	5.4	25.4
<b>Total</b>	<b>662.7</b>	<b>662.7</b>	<b>9.4</b>	<b>39.4</b>

**Table 4-23. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0604000504.**

<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Grass (Pastureland)	1.01
Grass (Hayland)	0.12
Legumes (Hayland)	0.57
Legumes, Grass (Hayland)	0.13
Grass, Forbs, Legumes (Mixed Pasture)	0.32
Forest Land (Not Grazed)	0.00
Forest Land (Grazed)	0.00
Corn (Row Crops)	3.71
Soybeans (Row Crops)	8.13
Tobacco (Row Crops)	6.04
All Other Row Crops	4.68
Wheat (Close Grown Cropland)	6.01
Other (Horticultural)	16.41
Other Cropland not Planted	2.11
Conservation Reserve Program Lands	0.50
Other Land in Farms	0.29
Nonagricultural land Use	0.00
Farmsteads and Ranch Headquarters	0.16

**Table 4-24. Annual Soil Loss in Subwatershed 0604000504.**